

**Mountain View Corridor Air Working Group
Meeting Minutes
August 24, 2015**

Attendees:

- Reed Soper – UDOT Mountain View Corridor Project Team
- Cameron Cova – Breathe Utah
- Kathy Van Dame – Wasatch Clean Air Coalition
- Lee Logston – Planner, West Valley City
- Bo Call - Air Monitoring Section Manager, Division of Air Quality
- Paul Roberts –Sonoma Technology, Inc.
- Dr. Brian Moench – Physician, President of Utah Physicians for a Healthy Environment
- Don Adams – Granite School District , Asst. Supt. of Support Services
- Steve Forbes – Granite School District, Construction Services Manager
- Joan Andrews - Granite School District, Policy & Legal Services
- Andy Neff – Langdon Group (facilitator)
- Marcus Murdock – Langdon Group (co-facilitator)

Minutes:

- **Approval of June 22 AWG Meeting Minutes for posting to [AWG webpage](#)**
 - Edit minutes to read 18 portable units rather than 19 and then post to website.
- **DRAFT Cooperative Agreement**
 - The Air Working Group (AWG) and Granite School District (GSD) have 4 months to hammer out agreement details, finish design, and then bid the job.
 - Steve Forbes commented that in May 2014 he proposed new cost estimates for the filtration upgrade at the 5 schools that didn't make it into the final report or the agreement. GSD estimates an additional \$208,000 worth of initial upgrades will be needed in addition to the \$400,000 currently shown in the DRAFT agreement. Costs could be upwards of \$600,000 for the first installment of HVAC upgrades.
 - GSD believes cost estimates for Whittier Elementary and West Valley Elementary are accurate.
 - GSD proposed the initial cost estimate for Hillside Elementary be around \$80,000 instead of the proposed \$14,000 in the agreement. It could even be more expensive, \$30,000-\$40,000 above the \$80,000, because GSD believes the controller isn't up to par.
 - GSD proposed Hunter Jr. High's initial cost estimate be around \$118,000 instead of the proposed \$91,000. Steve Forbes noted that the estimates were very low considering what will be required.
 - Hunter High is GSD's biggest concern. They propose the initial cost estimate be around \$359,000 rather than the proposed \$243,000. Equipment proposed in the agreement seemed insufficient to GSD.
 - GSD doesn't believe the proposed 10% contingency budget is enough to cover the expected initial cost.
 - GSD based new proposed cost estimates on a similar project they completed in the last 5 years to upgrade all HVAC units inside 51 different schools.

- Two of the five schools have construction management budget allocated in the agreement and the other three do not. GSD proposed adding CM budget to include all 5 schools.
- GSD wants to bid the project early in 2016 to get the best prices and prefer budget estimates in the agreement to be higher than lower to avoid potential shortfalls mid-stream.
- Reed Soper acknowledged that cost estimate differentials need to be discussed and resolved.
- GSD noted it is important to clarify the funding source in the agreement. Reed noted that it is fully funded by state dollars.
- A smaller group was assigned to finalize costs for each school. Steve Forbes, Paul Roberts, and Jerry Ludwig will meet to discuss. Jerry will be able to provide explanations to the group regarding financial figure derivations.
- Don Adams noted that the project needs to be bid according to District protocol. For example, after-hours work has to be done when school is in session or work must be compressed during the summer, which tends to result in higher than average bids.
- GSD proposed the following agreement language revisions:
 - Paragraph 2.4 re: Hunter Jr. High – Wording needs to change: “HEATH Engineering develop a scope of worksubject to any limitations to the State of Utah procurement code.” Don Adams noted GSD has a yearly rotation of design consultants to select from but is required by code to bid projects to all.
 - Paragraph 2.5 re: Hunter High – Wording needs to change: “Van Boerum and Frank Associates Engineering will develop a scope of worksubject to any limitations to the State of Utah procurement code.”
 - Paragraph 3 – Cost estimates need to be revisited.
 - Paragraph 3 – Stipulate a 30-day timeline for UDOT/AWG submission of funds to GSD to cover any cost overages.
 - Paragraph 3 – Add language indicating GSD is under no obligation to perform work without guarantee of reimbursement.
 - Paragraph 4 – Add language indicating GSD will be responsible for informing the AWG and UDOT of large-scale issues only so not to become too burdensome.
 - Paragraph 5 – Add provision 5.1 stipulating a 30-day timeline for completion of the AWG-sponsored independent evaluation. Also that the \$1.6 million provided for system maintenance shouldn’t be conditioned on the evaluation.
 - Paragraph 5 – Financial figure \$1,590,497.00 needs to be revaluated and revised in the agreement or AWG needs to show where the figure originates.
 - Paragraph 6 – Approved Air Quality Purposes should include system upgrades and repairs to initial improvements funded through the agreement.
 - Paragraph 6 – Should funds be used for items outside of the agreement, GSD requests a notice of breach, cure provisions and an opportunity to make reparations before funds are withdrawn. GSD doesn’t want to inadvertently accrue extra costs or expenses.
 - GSD requested a provision for any other possible expenses. Don Adams gave the example of students not being able to hear a teacher speak due to increased airflow noise. Methodology for dealing with unknowns needs to be part of the agreement and student needs need to be at the forefront.
 - Don noted that some of the GSD facilities are decades old and there needs to be some flexibility in system design per established regulations.

- **Portable Classroom Update**

- Paul distributed a memo a few weeks ago to the AWG that included portable classroom recommendations.
- Older portables should be upgraded to the MERV 11 filters which are two-inch filters that remove 70% of Black Carbon. Two-inch filters are the only size older portables will accommodate.
- The BARD I-Tech filter system is recommended for newer portables. It is comparable to MERV 13 filters and removes 90-95% of Black Carbon.
- Portable unit mitigation will be part of a separate cooperative agreement between the AWG/UDOT and GSD.
- It is preferable to upgrade portables at the same time that the school's main buildings are upgraded.

- **Filling Open AWG Medical Position**

- Dr. Brian Moench, President of Utah Physicians for a Healthy Environment, joined the call and will continue to fill the AWG medical position on a temporary basis. Dr. Moench was involved in the initial dialogue surrounding creation of the AWG during the Mountain View Corridor Environmental Impact Statement.

- **EPA [School IAQ Assessment mobile](#) app**

- A new mobile app has been developed by the EPA to assist schools with air quality assessments.

- **Schedule Next Meeting**

- Tentatively scheduled for **Monday, Sept. 14th @ 2 p.m. – 3:30 p.m. at Granite School District, Room B-216**, pending outcome of earlier coordination meeting to be scheduled by Reed Soper with Don Adams, Steve Forbes, Paul Roberts and Jerry Ludwig to discuss provisions of the Cooperative Agreement.

- **Action Items**

- Reed will coordinate with Paul, Jerry, Don and Steve to schedule a meeting as soon as possible to discuss cost estimates from the DRAFT agreement.
 - Results of the meeting will be shared with the AWG prior to the next AWG meeting Sept. 14.
 - Reed will coordinate any suggested revisions with Renee Spooner of the Attorney General's office.
- GSD will forward redline comments to the AWG from May 2014 and suggested revisions from the discussion today.
- AWG members will send Paul their thoughts on the portables memo and recommendations.
- Paul Roberts and Dr. Moench will coordinate to discuss Paul's findings and possible medical effects of his research.